Patent Claims

1. An apparatus for a control device for providing multimedia monitoring and control of a remote machine, comprising:

a processor that processes and communication of data with said remote machine; and

multimedia information regarding a status of the remote machine; and

a multimedia connection coupled to said processor providing a multimedia transmission connection to the remote machine and transmitting said multimedia information regarding a status of the remote machine.

2. The apparatus according to Claim 1, wherein the processor enables a UMTS connection.

3. The apparatus according to Claim 1, further comprising a visualization device that generates visualization information regarding the status of the remote machine.

4. IkThe apparatus according to Claim 1, further comprising an augmented-reality
device that generates the multimedia information from one ore more senses of a user in the vicinity of the remote machine .

5. The apparatus according to Claim 1, wherein the telecommunication communication connection of is bi-directional.

6. The apparatus according to Claim 1, further comprising a trace functionality transferred over the telecommunication link for realtime transmission of multimedia data connection.

7. The apparatus according to Claim 1, further comprising a data-processing device coupled remotely with said machine for controlling the processing of the multimedia information.

8. The apparatus according to Claim 7, wherein said data-processing device encompasses multiple data-processing units which have communication connections to one another and which each have a telecommunication connection for real-time transfer of multimedia information to the control device.

9. The apparatus according to Claim 1, wherein the communication between the respective components is carried out over one or more UMTS-networks.

10. The apparatus according to Claim 1, wherein the communication between the respective components is carried out over the internet.

11. A Method for a control device for providing multimedia monitoring and control of a remote machine, comprising the steps of:

processing information generated by the remote machine;

generating multimedia information regarding a status of the remote machine; and

providing a multimedia connection coupled to said processor providing a multimedia transmission connection to the remote machine and transmitting said multimedia information regarding a status of the remote machine.

12. The method according to Claim 10, wherein the processor enables the UMTS connection.

13. The method according to Claim 10, further comprising the step of generation visualization information regarding the status of the remote machine.

14. The method according to Claim 10, further comprising the step of generating

augmented-reality information from one ore more senses of a user in the vicinity of the remote machine .

15. The method according to Claim 10, further comprising the step of sending the UMTS communication bi-directionally.

16. The method according to Claim 10, further comprising the step of generating a trace functionality transferred over the UMTS connection.

17. The method according to Claim 10, further comprising the step of remotely processing the multimedia information.

18. The method according to Claim 16, further comprising the step of providing multiple data-processing units which have communication connections to one another and which each have a telecommunication connection for real-time transfer of multimedia information to the control device.

19. The method according to Claim 10, further comprising the step of providing the communication between the respective components over one or more UMTS-networks.

20. The method according to Claim 10, further comprising the step of providing communication between the respective components over the Internet (IN).